

Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims:

Claim 1 (currently amended) An asphalt roofing structure, comprising:

a substrate form selected from the group consisting of roll roofing and shingle substrates;

an asphalt composition applied to the substrate form, the asphalt composition comprising a heated mixture of ~~a non-polymeric~~ an asphaltic base and a dolomitic limestone filler selected from the group consisting of MgCO_3 or $\text{MgCO}_2 \cdot \text{CaCO}_3$, the dolomitic limestone filler being present in the range between 45-55% by weight of the asphalt composition and the asphaltic base being present in the range between 30% to 60% by weight of the asphalt composition ; and

wherein the asphalt composition also has included therein an amount of hydrated lime sufficient to improve tear strength and durability properties of the asphalt structure, the hydrated lime being present in the range between 1-10% by weight of the asphalt composition, the hydrated lime comprising an alkaline earth metal hydroxide selected from a group consisting of Ca(OH)_2 , Mg(OH)_2 , and $\text{Ca(OH)}_2 \cdot \text{Mg(OH)}_2$.

Claim 2 (canceled) The composition of Claim 1, wherein the alkaline earth metal hydroxide is selected from a group consisting of Ca(OH)_2 , Mg(OH)_2 , and $\text{Ca(OH)}_2 \cdot \text{Mg(OH)}_2$.

Claim 3 (canceled) The asphalt roofing structure composition of Claim 1, wherein the alkaline earth metal hydroxide is between 1-10% by weight of asphalt.

Claim 4 (previously amended) The composition of Claim 1, wherein the alkaline earth metal hydroxide is between 3-5% by weight of asphalt.

Claim 5 (canceled) The composition of Claim 1, wherein the filler is fly ash.

Claim 6 (canceled) The composition of Claim 1, wherein the filler is CaCO_3 .

Claim 7 (canceled) The composition of Claim 1, wherein the filler is MgCO_3 or $\text{MgCO}_2\text{CaCO}_3$.

Claim 8 (previously amended) The composition of Claim 1, wherein the alkaline earth metal hydroxide is first added directly to the asphaltic base of the asphalt composition.

Claim 9 (previously amended) The composition of Claim 1, wherein the alkaline earth metal hydroxide is first added directly to the filler of the asphalt composition.

Claim 10 (previously amended) The composition of Claim 1, wherein the alkaline earth metal is added first to the filler then to the asphaltic base of the asphalt composition.

Claim 11 (canceled) The composition of Claim 1, wherein the asphalt composition is between 30% to 60% asphalt by weight.

Claim 12 (currently amended) An asphalt roofing structure, comprising:

a substrate form selected from the group consisting of roll roofing and shingle substrates, the substrate form having applied thereto an asphalt composition consisting essentially of ;

a heated mixture of ~~a non-polymeric~~ an asphaltic base, a dolomitic limestone filler, glass matte and water, the dolomitic limestone filler being selected from the group consisting of MgCO_3 or $\text{MgCO}_2\text{CaCO}_3$, the dolomitic limestone filler being present in the range between 45-55% by weight

of the asphalt composition and the asphaltic base being present in the range between 30% to 60% by weight of the asphalt composition ; and

wherein the asphalt composition also has included therein an amount of hydrated lime sufficient to improve tear strength and durability properties of the asphalt structure, the hydrated lime being present in the range between 1-10% by weight of the asphalt composition, the hydrated lime being formed by the addition of an alkaline earth metal oxide to the asphaltic base, the alkaline earth metal oxide being selected from the group consisting of CaO, MgO, and CaO·MgO, the alkaline earth metal oxide reacting with water in the filler to produce the corresponding alkaline earth metal hydroxide.

Claim 13 (canceled) The composition of Claim 12, wherein the alkaline earth metal oxide is selected from a group consisting of CaO, MgO, and CaO·MgO.

Claim 14 (canceled) The composition of Claim 12, wherein the alkaline earth metal oxide is between 1-10% by weight of asphalt.

Claim 15 (canceled) The composition of Claim 12, wherein the alkaline earth metal oxide is between 3-5% by weight of asphalt.

Claim 16 (canceled) The composition of Claim 12, wherein the filler is fly ash.

Claim 17 (canceled) The composition of Claim 12, wherein the filler is CaCO₃.

Claim 18 (canceled) The composition of Claim 12, wherein the filler is MgCO₃ or MgCO₂CaCO₃.

Claim 19 (canceled) The composition of Claim 12, wherein the alkaline earth metal oxide is first added directly to the asphaltic base of the asphalt composition.

Claim 20 (canceled) The composition of Claim 12, wherein the alkaline earth metal oxide is added first to the filler with water, the oxide and water thus reacting to form the corresponding hydroxide, the hydroxide and filler then being added to the asphaltic base of the asphalt composition.

Claim 21 (canceled) The composition of Claim 12, wherein the asphalt composition is between 30% to 60% asphalt by weight.